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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781,410	02/18/2004	Jean-Pierre Lair	24NORDAM2	3060
20185	7590	07/16/2004	EXAMINER	
FRANCIS L CONTE 6 PURITAN AVENUE SWAMPSCOTT, MA 01907			HOLZEN, STEPHEN A	
			ART UNIT	PAPER NUMBER

3644

DATE MAILED: 07/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/781,410

**Applicant(s)**

LAIR, JEAN-PIERRE

**Examiner**

Stephen A. Holzen

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 15-22 is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☒ Claim(s) 3-14 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Lore (5,039,171). Lore discloses a thrust reverser having a fan nacelle having radially outer and inner skins extending axially from a leading edge defining an inlet to a trailing edge defining an outlet and space apart radially to define a compartment spaced forwardly from the said outlet (see Figure 5), a forward louver pivotally mounted in said compartment (20), and aft louver (top portion of 7) pivotally mounted in said compartment behind said forward louver, an aft flap (lower portion of #7) integrally joined to said aft louver for rotation therewith, a unison link (22) pivotally joining together said forward and aft louvers, and an actuator (7a) joined to said louvers for rotation thereof between a stowed position contained in said compartment to a deployed position at which said louver are pivoted open outwardly from said outer skin and said aft flap is pivoted open inwardly from said inner skin.

3. Claim 1-2 and rejected under 35 U.S.C. 102(b) as being anticipated by Gonidec et al (6,065,285). Gonidec et al discloses a thrust reverser having a fan nacelle having radially outer and inner skins extending axially from a leading edge defining an inlet to a trailing edge defining an outlet and space apart radially to define a compartment spaced forwardly from the said outlet (see Figure 3), a forward louver pivotally mounted in said

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compartment (24), and aft louver (top portion of #5) pivotally mounted in said compartment behind said forward louver, an aft flap (lower portion of #5) integrally joined to said aft louver for rotation therewith, a unison link (see Figure 3) pivotally joining together said forward and aft louvers, and an actuator (inherently must have an actuator for deployment) joined to said louvers for rotation thereof between a stowed position contained in said compartment to a deployed position at which said louver are pivoted open outwardly from said outer skin and said aft flap is pivoted open inwardly from said inner skin, wherein said aft louver and aft flap are coextensive and disposed flush with said inner skin in said stowed position and said forward louver is disposed flush with said outer skin in said stowed position (see figure 2).

4. Claims 1 are rejected under 35 U.S.C. 102(b) as being anticipated by Jean (6,079,201). Jean discloses a nacelle (see Figure 3) with a forward louver (20), aft louver (top portion of 7) an aft flap (lower portion of 7) integrally joint to the aft louver, a unison link and an actuator (see Figure 3).

5. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Masson (5,819,528). Figure 13 to Masson discloses a front louver (#23), and front flap (#210), an aft louver (#7), and aft flap (#7, this is integral with the aft louver) and an actuator (7a) which moves and unitary link (see Figure 4, lines 25-30).

***Allowable Subject Matter***

6. Claims 15-22 are allowed.

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7. Claims 3-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Re - Claims 15-22: The following is an examiner's statement of reasons for allowance: The prior art does not disclose a forward louver and aft fairing pivotally mounted to close said tunnel along the outer skin, and a forward flap and an aft flap pivotally mounted along inner skin.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Re - Claims 2-14: The following is a statement of reasons for the indication of allowable subject matter: The prior art does not disclose an aft fairing integrally joined to said aft louver and space such that it is flush with the outer skin, and wherein the aft louver is flush with the inner skin.

#### ***Information Disclosure Statement***

8. The information disclosure statement (IDS) submitted on 2/18/2004 has been considered by the examiner, with the exception of reference AE, because the Patent Number and the document name do not match. This reference will be considered when applicant clarifies this discrepancy.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen A. Holzen whose telephone number is 703-308-2484. The examiner can normally be reached on M-F 7:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael J. Carone can be reached on 703 306-4198. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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MICHAEL J. CARONE  
SUPERVISORY PATENT EXAMINER